ELSEVIER

Mathematics and Computers in Simulation 37 (1994) 581–584

MATHEMATICS AND COMPUTERS IN SIMULATION

Author index to volume 37 (1994)

(The issue number is given in front of the page numbers.)

Abdalla, E., H.J. Pu, M. Müller, A.A. Tantawy, L. Abdelatif and **H. Nour Eldin**, A novel parallel recursive Newton–Euler algorithm for modelling and computation of robot dynamics (2–3) 227–240
Abdelatif, L., *see* **Abdalla, E.** (2–3) 227–240
Ablowitz, M.J. and **C.M. Schober**, Homoclinic manifolds and numerical chaos in the nonlinear Schrödinger equation (4–5) 249–264
Ablowitz, M.J., *see* **Herbst, B.M.** (4–5) 353–369
Alastruey, C.F. and **J.R. González de Mendívil**, Interconnected systems with delays (6) 551–569
Alt, R., *see* **Lamotte, J.L.** (1) 1– 15
Babary, J.P., *see* **Tali-Maamar, N.** (2–3) 173–181
Balestrino, A. and **F. Bini Verona**, A new adaptive polynomial neural network (2–3) 189–194
Bini Verona, F., *see* **Balestrino, A.** (2–3) 189–194
Bitzer, G., *see* **Luttmann, R.** (2–3) 153–164
Bona, J., K. Promislow and **G. Wayne**, On the asymptotic behavior of solutions to nonlinear, dispersive, dissipative wave equations (4–5) 265–277
Bouaziz, B., *see* **Dochain, D.** (2–3) 165–172
Boucher, P., *see* **Codron, P.** (2–3) 207–219
Bruijn, P.M., *see* **Li, M.X.** (2–3) 143–151
Caurier, E., *see* **Ramani, A.** (4–5) 451–459
Chinni, V.R., C.R. Menyuk and **P.K.A. Wai**, Accurate solution of light propagation in optical waveguides using Richardson extrapolation (4–5) 279–291
Codron, P. and **P. Boucher**, Multivariable generalized predictive control with new multiple reference model: a robust stability analysis (2–3) 207–219
Darouach, M., *see* **Rafaralahy, H.** (6) 487–490
Dehghan, M., *see* **Noye, B.J.** (1) 37– 45
Dochain, D. and **B. Bouaziz**, Approximation of the dynamical model of fixed bed reactors via a singular perturbation approach (2–3) 165–172
Dorizzi, B., *see* **Grammaticos, B.** (4–5) 341–352
EL-Naggar, B., *see* **EL-Zoheiry, H.** (6) 539–549
EL-Zoheiry, H., L. Iskandar and **B. EL-Naggar**, The Quintic spline for solving the Korteweg–de Vries equation (6) 539–549
Ficola, A., M. La Cava and **P. Muraca**, A simplified finite element model of multilink robots with flexible links (6) 491–503
Fokas, A.S. and **A.R. Its**, An initial-boundary value problem for the Korteweg–de Vries equation (4–5) 293–321

Elsevier Science B.V.

Forest, M.G., C.G. Goedde and **A. Sinha**, Effects of symmetry on instability-driven chaotic energy transport in near-integrable, Hamiltonian systems (4–5) 323–339
Galardini, D., *see* **Jadot, F.** (2–3) 119–123
Goedde, C.G., *see* **Forest, M.G.** (4–5) 323–339
González de Mendívil, J.R., *see* **Alastruey, C.F.** (6) 551–569
Gorez, R., *see* **Jadot, F.** (2–3) 119–123
Grammaticos, B. and **B. Dorizzi**, Integrable discrete systems and numerical integrators (4–5) 341–352
Grammaticos, B., *see* **Ramani, A.** (4–5) 451–459
Guilain, S. and **J. Vignes**, Validation of numerical software results — Application to the computation of apparent heat release in direct-injection diesel engines (1) 73– 92
Hanus, R., *see* **Mikhailov, L.** (2–3) 183–188
Hartkopf, J., *see* **Luttmann, R.** (2–3) 153–164
Herbst, B.M., F. Varadi and **M.J. Ablowitz**, Symplectic methods for the nonlinear Schrödinger equation (4–5) 353–369
Hirota, R., T. Imai, S. Tsujimoto and **Y. Ohta**, Discrete 2N-wave interaction (4–5) 371–383
Imai, T., *see* **Hirota, R.** (4–5) 371–383
Indik, R.A. and **A.C. Newell**, Computing for pattern forming systems in nonlinear optics (4–5) 385–403
Isermann, R., *see* **Pfeiffer, B.-M.** (2–3) 101–110
Iskandar, L., *see* **EL-Zoheiry, H.** (6) 539–549
Its, A.R., *see* **Fokas, A.S.** (4–5) 293–321
Jadot, F., D. Galardini and **R. Gorez**, Parsimonious modelling of link flexibility in a robotic system (2–3) 119–123
Kapsiotis, G., *see* **Tzafestas, S.** (2–3) 133–142
Karakashian, O. and **W. McKinney**, On the approximation of solutions of the generalized Korteweg–de Vries–Burger's equation (4–5) 405–416
Klempous, R., J. Kotowski and **E. Szlachcic**, Some numerical aspects of the gradient procedure for design of nonlinear transportation networks (1) 29– 35
Kobi, A., S. Nowakowski and **J. Ragot**, Fault detection-isolation and control reconfiguration (2–3) 111–117
Kontoyannis, E., *see* **Zagorianos, A.** (2–3) 195–205
Kotowski, J., *see* **Klempous, R.** (1) 29– 35
Krzakala, G., *see* **Rafaralahy, H.** (6) 487–490
La Cava, M., *see* **Ficola, A.** (6) 491–503
Lamotte, J.L. and **R. Alt**, Comparison of simulated annealing algorithms for image restoration (1) 1– 15
Li, M.X., P.M. Bruijn and **H.B. Verbruggen**, Tuning cascade PID controllers using fuzzy logic (2–3) 143–151
Luttmann, R., G. Bitzer and **J. Hartkopf**, Development of control strategies for high cell density cultivations (2–3) 153–164
McKinney, W., *see* **Karakashian, O.** (4–5) 405–416
Menyuk, C.R., *see* **Chinni, V.R.** (4–5) 279–291
Mikhailov, L. and **R. Hanus**, Hierarchical control of congested urban traffic – mathematical modelling and simulation (2–3) 183–188
Müller, M., *see* **Abdalla, E.** (2–3) 227–240
Müller, P.C., *see* **Tahboub, K.A.** (2–3) 221–225
Muraca, P., *see* **Ficola, A.** (6) 491–503
Nakayama, K. and **M. Wadati**, Motion of surfaces in 3-dimensional space (4–5) 417–430
Newell, A.C., *see* **Indik, R.A.** (4–5) 385–403

Nihtilä, M.T., *see* **Tali-Maamar, N.** (2–3) 173–181
Nour Eldin, H., *see* **Abdalla, E.** (2–3) 227–240
Nowakowski, S., *see* **Kobi, A.** (2–3) 111–117
Noye, B.J. and **M. Dehghan**, Explicit solution of two-dimensional diffusion subject to specification of mass (1) 37– 45
Ohta, Y., *see* **Hirota, R.** (4–5) 371–383
Osborne, A.R., Automatic algorithm for the numerical inverse scattering transform of the Korteweg–de Vries equation (4–5) 431–450
Ostroveršnik, M., Z. Šehić, B. Zupančič and **M. Šega**, Concept representation of the software tool PIDMaster for systems modelling and controllers tuning (2–3) 125–131
Pfeiffer, B.-M. and **R. Isermann**, Selftuning of classical controllers with fuzzy-logic (2–3) 101–110
Promislow, K., *see* **Bona, J.** (4–5) 265–277
Pu, H.J., *see* **Abdalla, E.** (2–3) 227–240
Qiao, H. and **C.P. Tsokos**, Parameter estimation of the Weibull probability distribution (1) 47– 55
Rafaralahy, H., M. Darouach and **G. Krzakala**, Numerical simulation of thermal process in steel industry (6) 487–490
Ragot, J., *see* **Kobi, A.** (2–3) 111–117
Ramani, A., B. Grammaticos and **E. Caurier**, Quantum Hamiltonians from level statistics via dressing transformations (4–5) 451–459
Schober, C.M., *see* **Ablowitz, M.J.** (4–5) 249–264
Šega, M., *see* **Ostroveršnik, M.** (2–3) 125–131
Šehić, Z., *see* **Ostroveršnik, M.** (2–3) 125–131
Sinha, A., *see* **Forest, M.G.** (4–5) 323–339
Sod, G.A., A random element method for a thermal boundary layer (6) 527–538
Szlachcic, E., *see* **Klempous, R.** (1) 29– 35
Taha, T.R., Numerical simulations of the complex modified Korteweg–de Vries equation (4–5) 461–467
Tahboub, K.A. and **P.C. Müller**, A novel model manipulation of elastic-joint robots for control purposes (2–3) 221–225
Tali-Maamar, N., M.T. Nihtilä and **J.P. Babary**, On control of nonlinear distributed parameter bioreactors (2–3) 173–181
Tantawy, A.A., *see* **Abdalla, E.** (2–3) 227–240
Tew, J.D., *see* **Yunker, J.M.** (1) 17– 28
Tsokos, C.P., *see* **Qiao, H.** (1) 47– 55
Tsujimoto, S., *see* **Hirota, R.** (4–5) 371–383
Tzafestas, S. and **G. Kapsiotis**, PID self-tuning control combining pole-placement and parameter optimization features (2–3) 133–142
Tzafestas, S., *see* **Zagorianos, A.** (2–3) 195–205
van der Wijngaart, R.F., Concepts of TRIFIT, a flexible software environment for problems in two space dimensions (6) 505–525
Varadi, F., *see* **Herbst, B.M.** (4–5) 353–369
Verbruggen, H.B., *see* **Li, M.X.** (2–3) 143–151
Vignes, J., *see* **Guilain, S.** (1) 73– 92
Wadati, M., *see* **Nakayama, K.** (4–5) 417–430
Wai, P.K.A., *see* **Chinni, V.R.** (4–5) 279–291
Wayne, G., *see* **Bona, J.** (4–5) 265–277
Weideman, J.A.C., *see* **White, P.W.** (4–5) 469–479
White, P.W. and **J.A.C. Weideman**, Numerical simulation of solitons and dromions in the Davey–Stewartson system (4–5) 469–479

Ylinen, R., *see* **Zenger, K.** (1) 57– 72
Yunker, J.M. and **J.D. Tew**, Simulation optimization by genetic search (1) 17– 28
Zagorianos, A., E. Kontoyannis and **S. Tzafestas**, Resolved motion model based predictive control of redundant robots (2–3) 195–205
Zenger, K. and **R. Ylinen**, Simulation of variable delays in material transport models (1) 57– 72
Zupančič, B., *see* **Ostroveršnik, M.** (2–3) 125–131